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1. Document ID: US 20090015256 A1

L93: Entry 1 of 17

File: PGPB

Jan 15, 2009

PGPUB-DOCUMENT-NUMBER: 20090015256

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20090015256 A1

TITLE: Optimized MRI strip array detectors and apparatus, systems and methods related thereto

PUBLICATION-DATE: January 15, 2009

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|--------------------|-----------|-------|---------|
| Bottomley; Paul A. | Columbia | MD | US |
| Kumar; Ananda | Baltimore | MD | US |

APPL-NO: 11/807108 [PALM] [eDanl] [US Family]

DATE FILED: May 24, 2007

US-CL-CURRENT: 324/309

| | | | | | | |
|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|
| Full | Title | Citation | Front | Review | Classification | Date |
| Reference | | | | Claims | KIMC | Draw Desc |

2. Document ID: US 20080278166 A1

L93: Entry 2 of 17

File: PGPB

Nov 13, 2008

PGPUB-DOCUMENT-NUMBER: 20080278166
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20080278166 A1

TITLE: Superconducting Loop, Saddle and Birdcage Mri Coils

PUBLICATION-DATE: November 13, 2008

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---------------------|---------|-------|---------|
| Wosik; Jaroslaw | Houston | TX | US |
| Nesteruk; Krzysztof | Warsaw | TX | PL |
| Xie; Lei Ming P | Houston | | US |

APPL-NO: 10/583625 [PALM] [eDanl] [US Family]

DATE FILED: May 20, 2005

US-CL-CURRENT: 324/318

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|-----------|-------|----------|-------|--------|----------------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | RIMC | Draw Desc | Image |

3. Document ID: US 20080180101 A1

L93: Entry 3 of 17

File: PGPB

Jul 31, 2008

PGPUB-DOCUMENT-NUMBER: 20080180101
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20080180101 A1

TITLE: MULTI-CHANNEL MAGNETIC RESONANCE COIL

PUBLICATION-DATE: July 31, 2008

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------------|-------------|-------|---------|
| Bradshaw; Kenneth M. | Chaska | MN | US |
| Jones; Michael S. | Saint Paul | MN | US |
| Holwell; Joshua J. | Plymouth | MN | US |
| Schillak; Scott M. | Minneapolis | MN | US |
| Waks; Matthew T. | Coon Rapids | MN | US |
| Watson; Mark A. | Savage | MN | US |
| Tramm; Brandon J. | Minnetonka | MN | US |
| Petropoulos; Labros L. | Auburn | OH | US |

APPL-NO: 11/943229 [PALM] [eDanl] [US Family]
 DATE FILED: November 20, 2007

US-CL-CURRENT: 324/318



4. Document ID: US 20080174314 A1

L93: Entry 4 of 17

File: PGPB

Jul 24, 2008

PGPUB-DOCUMENT-NUMBER: 20080174314

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080174314 A1

TITLE: MULTI-CHANNEL COIL FOR MAGNETIC RESONANCE IMAGING

PUBLICATION-DATE: July 24, 2008

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|----------------------|--------------|-------|---------|
| Holwell; Joshua J. | Plymouth | MN | US |
| Schillak; Scott M. | Minneapolis | MN | US |
| Bradshaw; Kenneth M. | Chaska | MN | US |
| Tramm; Brandon J. | Eden Prairie | MN | US |

Petropoulos; Labros L.

Auburn

OH

US

APPL-NO: 11/943238 [PALM] [eDanl] [US Familyl]
 DATE FILED: November 20, 2007

US-CL-CURRENT: 324/318

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| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KIMC | Draw Desc | Image |

 5. Document ID: US 20080129298 A1

L93: Entry 5 of 17

File: PGPB

Jun 5, 2008

PGPUB-DOCUMENT-NUMBER: 20080129298

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080129298 A1

TITLE: High field magnetic resonance

PUBLICATION-DATE: June 5, 2008

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|----------------------------------|-------------|-------|---------|
| Vaughan; J. Thomas | Stillwater | MN | US |
| Moortele; Pierre-Francois Van de | Minneapolis | MN | US |
| DelaBarre; Lance | St. Anthony | MN | US |
| Olson; Christopher C. | St. Paul | MN | US |
| Orser; Heather | St. Paul | MN | US |
| Gopinath; Anand | St. Paul | MN | US |
| Ugurbil; Kamil | Minneapolis | MN | US |
| Snyder; Carl | Minneapolis | MN | US |
| Adriany; Gregor | Minneapolis | MN | US |
| Akgun; Can E. | Woodbury | MN | US |
| Tian; Jinfeng | Minneapolis | MN | US |
| Strupp; John | Coon Rapids | MN | US |
| Andersen; Peter M. | Maple Plain | MN | US |

Wu; Xiaoping

St. Paul

MN

US

APPL-NO: 11/707560 [PALM] [eDanl] [US Family]
 DATE FILED: February 17, 2007

US-CL-CURRENT: 324/322

| | | | | | | | |
|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KIMC | Draw Desc | Image |

 6. Document ID: US 20060158188 A1

L93: Entry 6 of 17

File: PGPB

Jul 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060158188
 PGPUB-FILING-TYPE:
 DOCUMENT-IDENTIFIER: US 20060158188 A1

TITLE: **NMR** RF coils with improved low-frequency efficiency

PUBLICATION-DATE: July 20, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|----------------------|---------------|-------|---------|
| Hudson; Alexander MJ | San Francisco | CA | US |
| Mehr; Knut G. | San Francisco | CA | US |

APPL-NO: 11/037627 [PALM] [eDanl] [US Family]
 DATE FILED: January 18, 2005

US-CL-CURRENT: 324/318; 324/303, 324/322

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|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KIMC | Draw Desc | Image |

 7. Document ID: US 20050230614 A1

L93: Entry 7 of 17

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050230614
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050230614 A1

TITLE: Mass spectrometry system for continuous control of environment

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---------------|-------|-------|---------|
| Glukhoy, Yuri | Irwin | PA | US |

APPL-NO: 10/826610 [PALM] [eDanl] [US Family]

DATE FILED: April 19, 2004

US-CL-CURRENT: 250/287

| Full | Title | Citation | Front | Review | Classification | Date | |
|-----------|-------|----------|-------|--------|----------------|-----------|-------|
| Reference | | | | Claims | KMC | Draw Desc | Image |

8. Document ID: US 20050189484 A1

L93: Entry 8 of 17

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050189484
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050189484 A1

TITLE: Aerosol mass spectrometer for operation in a high-duty mode and method of mass-spectrometry

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---------------|-------|-------|---------|
| Glukhoy, Yuri | Irwin | PA | US |

APPL-NO: 10/789555 [PALM] [eDanl] [US Family]
 DATE FILED: February 28, 2004

US-CL-CURRENT: 250/287

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|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KIMC | Draw Desc | Image |

9. Document ID: US 20040021467 A1

L93: Entry 9 of 17

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040021467
 PGPUB-FILING-TYPE: new
 DOCUMENT-IDENTIFIER: US 20040021467 A1

TITLE: Magnetic resonance tomography apparatus with vacuum cast or vacuum die cast body coil

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|----------------|-------|---------|
| Eberler, Ludwig | Postbauer-Heng | | DE |
| Eberler, Michael | Postbauer-Heng | | DE |
| Kolbeck, Thomas | Kalchreuth | | DE |

APPL-NO: 10/428228 [PALM] [eDanl] [US Family]
 DATE FILED: May 2, 2003

US-CL-CURRENT: 324/318; 324/322

| | | | | | | | |
|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KIMC | Draw Desc | Image |

10. Document ID: US 7148472 B2

L93: Entry 10 of 17

File: USPT

Dec 12, 2006

US-PAT-NO: 7148472
DOCUMENT-IDENTIFIER: US 7148472 B2

TITLE: Aerosol mass spectrometer for operation in a high-duty mode and method of mass-spectrometry

DATE-ISSUED: December 12, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20050189484 A1 September 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Glukhoy; Yuri Irwin PA US

APPL-NO: 10/789555 [PALM] [eDanl] [US Family]

DATE FILED: February 28, 2004

US-CL-CURRENT: 250/287; 250/282, 250/288

| | | | | | | | |
|-----------|-------|----------|-------|--------|----------------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KIMC | Draw Desc | Image |

11. Document ID: US 7132829 B2

L93: Entry 11 of 17

File: USPT

Nov 7, 2006

US-PAT-NO: 7132829
DOCUMENT-IDENTIFIER: US 7132829 B2

TITLE: NMR RF coils with improved low-frequency efficiency

DATE-ISSUED: November 7, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060158188 A1

July 20, 2006

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

| | | | |
|-----------------------|---------------|----|----|
| Hudson; Alexander M J | San Francisco | CA | US |
| Mehr; Knut G. | San Francisco | CA | US |

APPL-NO: 11/037627 [PALM] [eDanl] [US Family]

DATE FILED: January 18, 2005

US-CL-CURRENT: 324/318; 324/307, 324/322

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|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KMC | Draw Desc | Image |

 12. Document ID: US 7071466 B2

L93: Entry 12 of 17

File: USPT

Jul 4, 2006

US-PAT-NO: 7071466

DOCUMENT-IDENTIFIER: US 7071466 B2

TITLE: Mass spectrometry system for continuous control of environment

DATE-ISSUED: July 4, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050230614 A1

October 20, 2005

INVENTOR-INFORMATION:

| | | | | |
|------|------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|

| | | | |
|---------------|-------|----|----|
| Glukhoy; Yuri | Irwin | PA | US |
|---------------|-------|----|----|

APPL-NO: 10/826610 [PALM] [eDanl] [US Family]
 DATE FILED: April 19, 2004

US-CL-CURRENT: 250/287; 250/294, 250/305, 250/396R

| | | | | | | | |
|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KOMC | Draw Desc | Image |

13. Document ID: US 7064549 B1

L93: Entry 13 of 17 File: USPT Jun 20, 2006

US-PAT-NO: 7064549
 DOCUMENT-IDENTIFIER: US 7064549 B1

TITLE: NMR RF coils with split movable capacitance bands

DATE-ISSUED: June 20, 2006

INVENTOR-INFORMATION:

| | | | |
|------|------|----------------|---------|
| NAME | CITY | STATE ZIP CODE | COUNTRY |
|------|------|----------------|---------|

| | | | |
|-----------------------|---------------|----|----|
| Hudson; Alexander M J | San Francisco | CA | US |
|-----------------------|---------------|----|----|

APPL-NO: 11/037605 [PALM] [eDanl] [US Family]
 DATE FILED: January 18, 2005

US-CL-CURRENT: 324/318; 324/321

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| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KOMC | Draw Desc | Image |

14. Document ID: US 6825665 B2

L93: Entry 14 of 17

File: USPT

Nov 30, 2004

US-PAT-NO: 6825665

DOCUMENT-IDENTIFIER: US 6825665 B2

TITLE: Magnetic resonance tomography apparatus with vacuum cast or vacuum die cast body coil

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|----------------|-------|----------|---------|
| Eberler; Ludwig | Postbauer-Heng | | | DE |
| Eberler; Michael | Postbauer-Heng | | | DE |
| Kolbeck; Thomas | Kalchreuth | | | DE |

APPL-NO: 10/428228 [PALM] [eDanl] [US Family]

DATE FILED: May 2, 2003

US-CL-CURRENT: 324/318; 324/322

| | | | | | | | |
|-----------|-------|----------|-------|--------|----------------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KMC | Draw Desc | Image |

 15. Document ID: US 6029082 A

L93: Entry 15 of 17

File: USPT

Feb 22, 2000

US-PAT-NO: 6029082

DOCUMENT-IDENTIFIER: US 6029082 A

TITLE: Less-claustrophobic, quadrature, radio-frequency head coil for nuclear magnetic resonance

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|------------------|-------|----------|---------|
| Srinivasan; Ravi | Richmond Heights | OH | | |
| Liu; Haiying | Minneapolis | MN | | |
| Elek; Robert A. | Chardon | OH | | |

APPL-NO: 08/976857 [PALM] [eDanl] [US Family]
 DATE FILED: November 24, 1997

US-CL-CURRENT: 600/422; 324/318, 324/322

| | | | | | | | |
|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KIMC | Draw Desc | Image |

16. Document ID: US 5664568 A

L93: Entry 16 of 17

File: USPT

Sep 9, 1997

US-PAT-NO: 5664568

DOCUMENT-IDENTIFIER: US 5664568 A

TITLE: Split-top, neck and head vascular array for magnetic resonance imaging

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|----------------------|-------|----------|---------|
| Srinivasan; Ravi | Richmond <u>Hts.</u> | OH | | |
| Henderson; Robert G. | Wickliffe | OH | | |
| Elek; Robert A. | Chardon | OH | | |

APPL-NO: 08/512722 [PALM] [eDanl] [US Family]
 DATE FILED: August 8, 1995

US-CL-CURRENT: 600/422; 324/318, 324/322

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|---------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KMC | Draw Desc | Image |

 17. Document ID: US 5592087 A

L93: Entry 17 of 17

File: USPT

Jan 7, 1997

US-PAT-NO: 5592087

DOCUMENT-IDENTIFIER: US 5592087 A

TITLE: Low eddy current radio frequency shield for magnetic resonance imaging

DATE-ISSUED: January 7, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Richard; Mark A. | Cleveland Heights | OH | | |
| Zou; Xueming | Chesterland | OH | | |
| Morich; Michael A. | Mentor | OH | | |

APPL-NO: 08/379979 [\[PALM\]](#) [\[eDanl\]](#) [\[US Family\]](#)

DATE FILED: January 27, 1995

US-CL-CURRENT: 324/318; 324/319, 324/322

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| Full | Title | Citation | Front | Review | Classification | Date | |
| Reference | | | | Claims | KMC | Draw Desc | Image |

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| Term | Documents |
| APERATURE | 7819 |
| APERATURES | 3387 |

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| OPENING | 4481730 |
| OPENINGS | 1520431 |
| GAP | 1459608 |
| GAPS | 424992 |
| OPENNING | 282 |
| OPENNINGS | 37 |
| SPACE | 4149812 |
| SPACES | 691715 |
| ENCLOSURE | 362799 |
| (L92 and ((perature or opening or gap or opening or space or enclosure or housing or tube or cylinder) same ((animal or specim\$1n) or rat or mouse or mice or bird or dog or cat or subject or object or patient or child or human or examinee))). PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 17 |

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